A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G01R33/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{G01R} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC, COMPENDEX, WPI Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	US 2002/109503 A1 (KESTLER JOACHIM ET AL) 15 August 2002 (2002-08-15) paragraphs '0008!-'0015! paragraphs '0019!-'0026!; figures 1-3	1-11
X	US 5 807 253 A (DUMOULIN CHARLES LUCIAN ET AL) 15 September 1998 (1998-09-15) column 3, line 33 -column 5, line 67; figure 2	1-6,9-11
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 02, 29 February 1996 (1996-02-29) -& JP 07 265278 A (HITACHI MEDICAL CORP), 17 October 1995 (1995-10-17) abstract	1-6,8-11

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the International filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
9 January 2004	19/01/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,	Authorized officer Lensch, W
Fax: (+31-70) 340-3016 Form PCT/ISA/210 (second sheet) (July 1992)	20.00.,

INTERNATIONAL SEARCH REPORT

Internation Polication No PCT/IB U3/04589

ory ° Citation of document, w	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages		
US 5 294 8 15 March 1 column 3, figures 1-	86 A (DUERR WILHELM) 994 (1994-03-15) line 14 -column 4, line 56; 5	1,2,5,6, 8-11	
		. •	
·			

PC1/18 U3/U4589

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002109503	A1	15-08-2002	DE	10105984 C1	31-10-2002
US 5807253	A	15-09-1998	DE JP	19833244 A1 11230705 A	08-04-1999 27-08-1999
JP 07265278	Α	17-10-1995	NONE		
US 5294886	Α	15-03-1994	DE JP JP	4113120 A1 3205385 B2 5180920 A	05-11-1992 04-09-2001 23-07-1993